

Contents of Volume 13

(Abstracted/indexed in: Chemical Abstracts; Current Contents; Physical, Chemical & Earth Sciences; INSPEC; PASCAL/CNRS; MEDLINE)

Vol. 13 No. 1

Effects of AOT micellar systems on the transdermal permeation of glyceryl trinitrate M. Varshney, T. Khanna and Mohd Changez (New Delhi, India)	1
Phase behavior of phosphatidylglycerol bilayers as a function of buffer composition: fluorescence studies using Laurdan probe D. Zubiri, A. Domecq and D.L. Bernik (Buenos Aires, Argentina)	13
Effect of CRL-1343 and HSA-157, non-ionic detergents on the bilayer and hexagonal phase transition temperature Mohamed H. Gaber (San Francisco, CA, USA)	29
Interfacial and/or molecular recognition by lipases of mixed monomolecular films of 1,2-dicaprin and chiral organophosphorus glyceride analogues? Frank Marguet, Isabelle Douchet, Jean-François Cavalier, Gerard Buono and Robert Verger (Marseille, France)	37
Rapid particle size distribution analysis of <i>Bacillus</i> spore suspensions Renata G.K. Leuschner, Antony C. Weaver and Peter J. Lillford (Bedford, UK)	47

Vol. 13 No. 2

Thermodynamic modelling of the lung mechanics R.M. Prokop, P. Chen, A. Garg and A.W. Neumann (Toronto, Canada)	59
Correlation between genetic, physico-chemical surface characteristics and adhesion of four strains of <i>Lactobacillus</i> G. Reid, H. Bialkowska-Hobrzanska (London, Canada), H.C. van der Mei (Groningen, The Netherlands) and H.J. Busscher (London, Canada)	75
Measurements of the kinetic constants of protein adsorption onto silica particles A. Docoslis, W. Wu, R.F. Giese and C.J. van Oss (Buffalo, NY, USA)	83
Conformation change of glucose oxidase at the water–air interface G. Dai, J. Li and L. Jiang (Beijing, People's Republic of China).	105
Book review	113
Announcement	115

Vol. 13 Nos. 3

Surface tension as a sensitive measure to distinguish between pulmonary surfactant from different lavages R.M. Prokop, A. Jyoti, P. Cox, H. Frndova, Z. Policova and A.W. Neumann (Toronto, Ont., Canada)	117
Electrochemical behavior of the humic acid from leonardite C. Pastorelli, L. Formaro, G. Ricca and F. Severini (Milano, Italy)	127
Interactions of mono- and di-sialogangliosides with phospholipids in mixed monolayers at air-water interface F. Bordi, F. De Luca, C. Cametti, A. Naglieri, R. Misasi and M. Sorice (Rome, Italy)	135
Polar interactions of chondroitinsulfate: Surface free energy and molecular dynamics simulations D. Wiegel, J. Kaufmann and K. Arnold (Leipzig, Germany)	143
Condensation of DNA by monohydric alcohols M. Matzeu (Roma, Italy), G. Onori and A. Santucci (Perugia, Italy)	157
Calendar	165

Vol. 13 Nos. 4

Structural stability effects on T4 lysozyme adsorption at the air–water interface N. Podhileux (Corvallis, OR, USA), S. Damodaran (Madison, WI, USA), J. McGuire and M.K. Bothwell (Corvallis, OR, USA)	167
--	-----

Vesicle formation in aqueous dimyristoyl phosphatidylcholine suspensions: a cryo-electron microscopy study B.J. Battersby, G.A. Lawrie and G.T. Barnes (Queensland, Australia)	179
Adsorption of hydrophobized IgG and gelatin onto phosphatidyl choline-coated silica A. Kamyshny, O. Toledano and S. Magdassi (Jerusalem, Israel)	187
Adsorption of single component and binary mixtures of protein and surfactants at the oil-water interface O.S. Sudah, G. Chen and Y.C. Chiew (Piscataway, NJ, USA; Singapore, Singapore)	195
Adsorption of bovine serum albumin to yeast protoplast M. Matsukata, M. Nishino, J. Ping Gong, Y. Osada (Sapporo, Japan), Y. Sakurai and T. Okano (Tokyo, Japan) . .	203
Requirement of water for anesthetic action: purple membrane A. Shibata, J. Yoshida, H. Ikema, K. Fukuzawa (Tokushima, Japan) and I. Ueda (Salt Lake City, UT, USA)	213
Calendar	219

Vol. 13 Nos. 5

Interfacial behavior of HDL3 spread at air/water interface. I. Dynamic properties B. Lemkadem, F. Boury, P. Saulnier and J.E. Proust (Angers, France)	221
Interfacial behavior of HDL3 spread at air/water interface. II. Structural analysis by AFM B. Lemkadem, P. Saulnier, F. Boury and J.E. Proust (Angers, France)	233
Co-aggregation of micelle-like globules from human submandibular/sublingual and parotid saliva A. Young (Oslo, Norway)	241
Thermodynamic incompatibility of proteins at the air-water interface? L. Razumovsky and S. Damodaran (Madison, USA)	251
Effect of environmental humidity on the transformation pathway of carbamazepine polymorphic modifications during grinding M. Otsuka, T. Ofusa and Y. Matsuda (Kobe, Japan)	263
Calendar	275

Vol. 13 Nos. 6

Effect of pH on the electrophoretic mobility of a particle with a charge-regulated membrane in a general electrolyte solution S. Tseng, S.-H. Lin and J.-P. Hsu (Taipei, Taiwan, ROC)	277
Interaction between charged soft microcapsules and red blood cells: effects of PEGylation of microcapsule membranes upon their surface properties K. Makino, M. Umetsu, Y. Goto, A. Nakayama, T. Suhara, J. Tsujii, A. Kikuchi, H. Ohshima, Y. Sakurai and T. Okano (Tokyo, Japan).	287
Specific interaction between anionic phospholipids and milk bovine component PP3 and its 119-135 C-terminal fragment S. Campagna, N. Van Mau, F. Heitz, G. Humbert and J.-L. Gaillard (, France)	299
Investigation of surface and shape changes accompanying the membrane alteration responsible for the heat-induced lysis of human erythrocytes I.T. Ivanov (Stara Zagora, Bulgaria)	311
Protein interactions in covalently attached dextran layers J. Piehler, A. Brecht, K. Hehl and G. Gauglitz (Tübingen, Germany).	325
Author Index.	339
Subject Index.	341
Volume Contents	343
Calendar	347

